***eLife’s* transparent reporting form**

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* You should state whether an appropriate sample size was computed when the study was being designed
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N/A, the study did not involve animals or clinical sampling.

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* Report exact p-values wherever possible alongside the summary statistics and 95% confidence intervals. These should be reported for all key questions and not only when the p-value is less than 0.05.

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* Where provided, these should be in the most useful format, and they can be uploaded as “Source data” files linked to a main figure or table
* Include model definition files including the full list of parameters used
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Model parameters and access to software is outlined in the Materials and methods section. A file containing the model, which can be opened directly with KinTek Chemical Kinetics Explorer, is provided.